المهام الأدائية

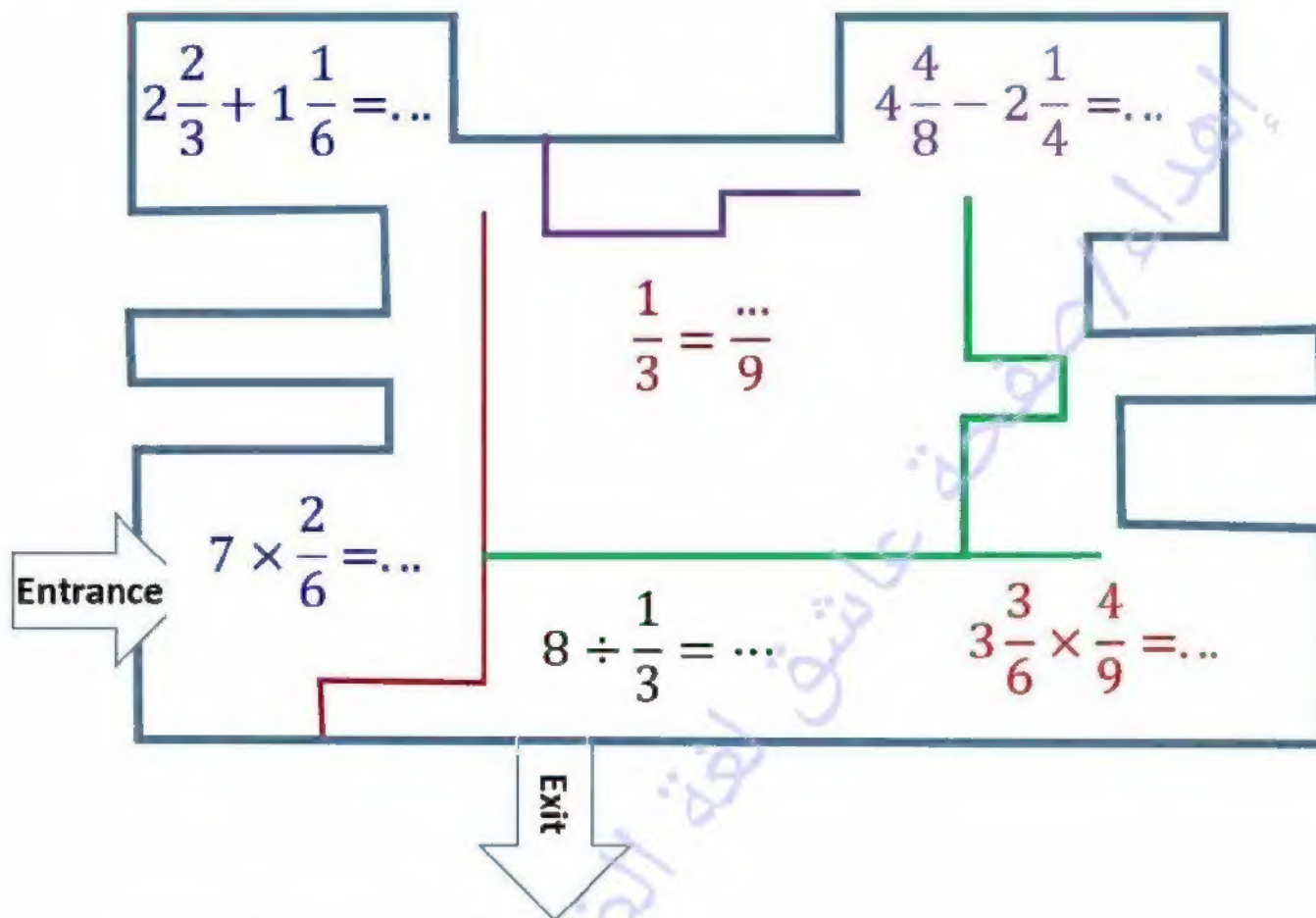## للصف الخامس الابتدائي

مادة: Maths

تعليمات عامة:

- يستغرق العمل على المهام الأدائية فترة دراسية واحدة.
- يوزع المعلم أوراق المهام على الطلاب ويوضح لهم المقصود منها، ويختار إحدى المهام.
- يقدم المعلم الدعم اللازم لطلابه في اختيار المهام المناسبة لميولهم، ويشرف على مراحل تنفيذ المهام خلال أدائها.
- يمكن أن تكون المهمة فردية أو جماعية.
- يتم تطبيق المهام بالأسبوع الثاني من شهر إبريل لتحقيق نواتج التعلم.
- يجيب الطلاب عن المطلوب من المهمة في نفس الورقة.
- يتم تصحيح المهمة من 35 درجة تبعًا للجدول التالي؛ على أن يتم تسجيل الدرجات في كشف مجمع لكل فصل:

الدرجة النهائية	المنتج النهائي	جدية العمل	التخطيط	المرحلة
35 درجة	25 درجة	5 درجات	5 درجات	الدرجة

Task (1)

(a) You need to solve the problems that come across you on your way out.

$$2\frac{2}{3} + 1\frac{1}{6} = \ldots$$

$$4\frac{4}{8} - 2\frac{1}{4} = \ldots$$

$$\frac{1}{3} = \frac{\ldots}{9}$$

$$7 \times \frac{2}{6} = \ldots$$

Entrance

$$8 \div \frac{1}{3} = \ldots$$

$$3\frac{3}{6} \times \frac{4}{9} = \ldots$$

Exit

(b) Complete.

The dimensions of the solid are:

.... unit length

.... unit length

.... unit length
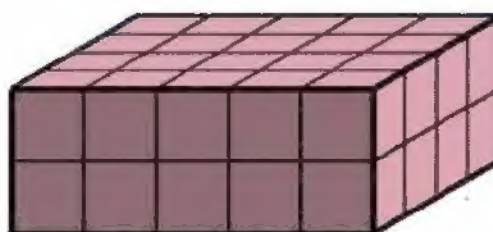
Its volume = ... cubic units

(a) The cards A, B and C represents the results of the problems below.

Solve the problems from (1) to (6), then write the number of each problem to its suitable letter.

A	B	C
$2\dfrac{1}{10}$	$2\dfrac{3}{16}$	$\dfrac{1}{25}$

(1)

$$3\frac{1}{2} - 1\frac{2}{5}$$

(2)

$$\frac{1}{5} \times \frac{1}{5}$$

(3)

$$2\frac{1}{8} + \frac{1}{16}$$

(4)

$$5\frac{2}{8} - 3\frac{1}{16}$$

(5)

$$1 + 1\frac{1}{10}$$

(6)

$$\frac{1}{5} \div 5$$

A

B

C

(b) Complete.

The dimensions of the solid are:

.... unit length

.... unit length

.... unit length
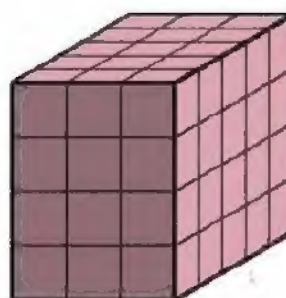
Its volume = ... cubic units

Task (3)

(a) Choose the correct card to get the correct answer.
(Use each card only one time)

Cards: 5, 6, 4, 1, 3, 12, 9, 2
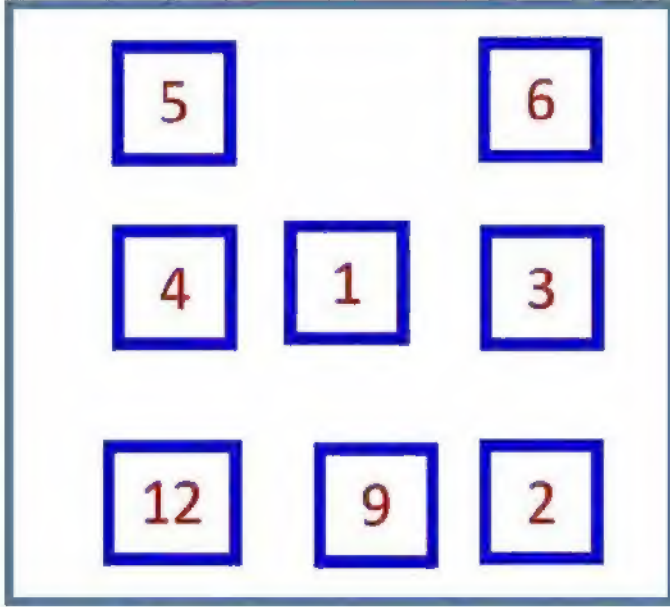
(1) $\square\dfrac{\square}{4} + 1\dfrac{2}{\square} = 3\dfrac{3}{4}$

(2) $3\dfrac{\square}{12} - 1\dfrac{6}{12} = 2\dfrac{3}{\square}$

(3) $\dfrac{2}{3} \times \dfrac{3}{\square} = \dfrac{\square}{15}$

(4) $\dfrac{1}{4} \div \square = \dfrac{1}{12}$

(b) In the opposite coordinate plane represent the following ordered pairs
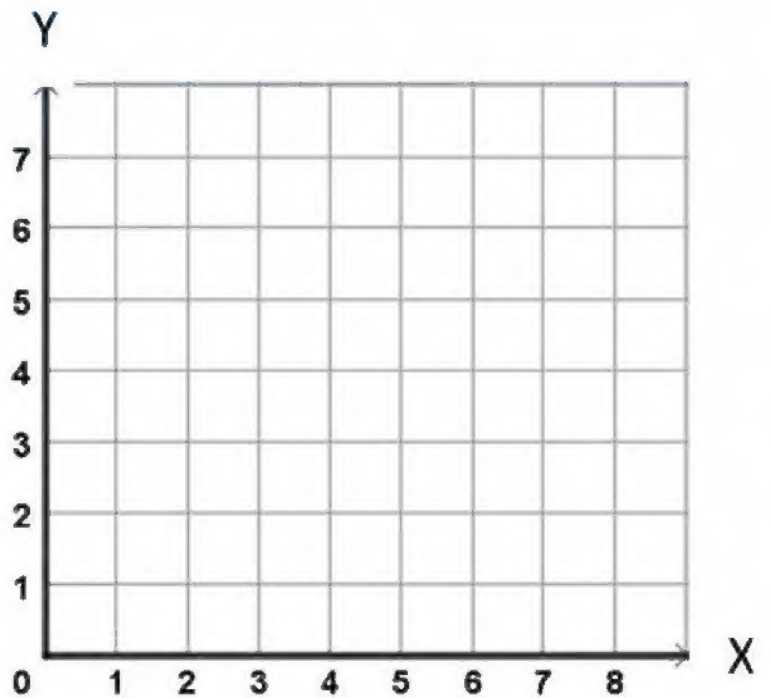**A(1,3) , B(1,6) , C(6,6) , D(6,3)**

[1] Join the points A, B, C, D in order to close the figure by using ruler.
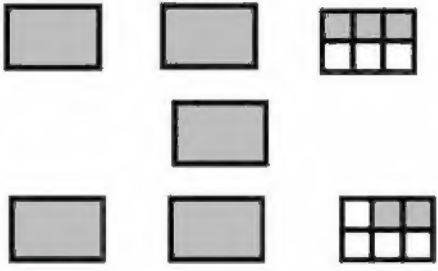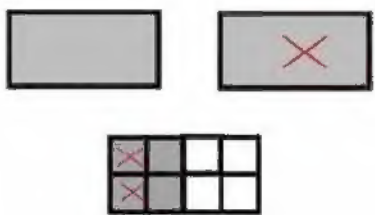
[2] What is the name of ABCD?
....

[3] What is the area of ABCD?
....
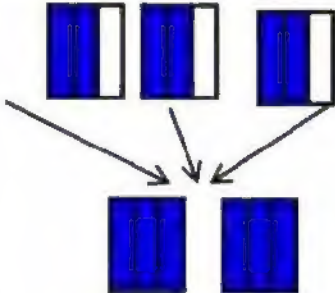
Task (4)

(a) Solve the two problems in column (B), and then match each result with its corresponding in columns (A) and (C).

C	B	A
$1\frac{1}{4}$	$3 \times \frac{2}{3}$	
2	$3\frac{1}{2} + 2\frac{1}{3}$	
$5\frac{5}{6}$	$2\frac{1}{2} - 1\frac{1}{4}$	

(b) Complete.

The dimensions of the solid are:
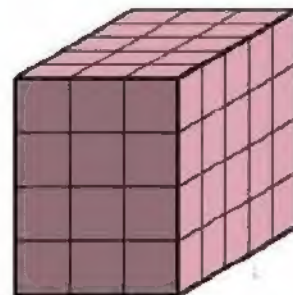
.... unit length

.... unit length

.... unit length

Its volume = ... cubic units

Task (5)

(a) Use the fraction wall to represent the addition problem and find its result.

(1) $\frac{1}{3} + \frac{1}{9} = \cdots$

Use the fraction wall to represent the subtraction problem and find its result.

(2) $\frac{1}{2} - \frac{1}{3} = \cdots$

(b) In the opposite coordinate plane represent the following ordered pairs
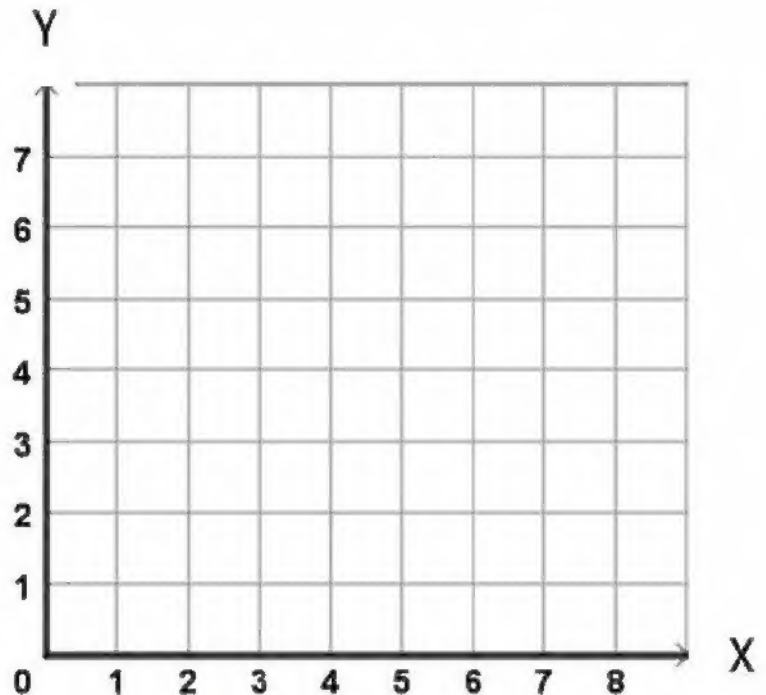A(1,3) , B(1,6) , C(4,6) , D(4,3)

[1] Join the points A, B, C, D in order to close the figure by using ruler.

[2] What is the name of ABCD?
....

[3] What is the area of ABCD?
....

Task (6)

(a) You went with your father to the market, and you bought the following supplies:

Purchases	Meat	Apples	Potatoes	Carrots
Mass (kg)	$2\frac{1}{2}$	$2\frac{1}{4}$	$\frac{3}{8}$	3

Answer the following:

[1] Find the sum of the masses of the meat and potatoes.

....

[2] Find the difference between the masses of carrots and potatoes.

....

[3] What is the total price of the apple if the price of one kilogram is LE 36?

....

[b] Ahmed used 36 cubes of small soaps its edge length is 1 cm to form a cuboid, he made only the first layer of it. How many layers does he need to complete the cuboid by using all the cubes? Then find its volume.
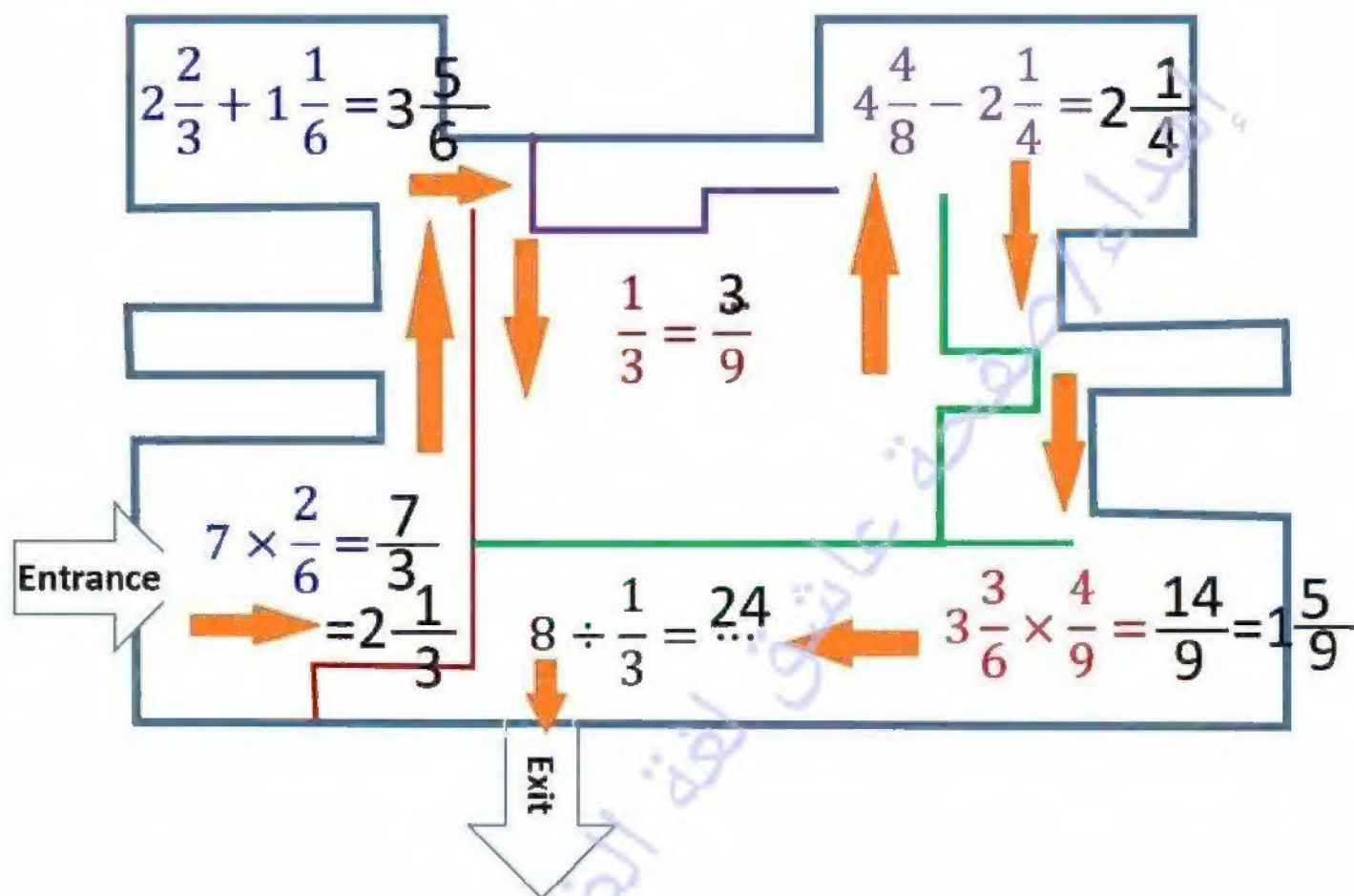
Number of needed layers = ...	
The volume = ... cm³	

Task (1)

(a) You need to solve the problems that come across you on your way out.

$$2\frac{2}{3} + 1\frac{1}{6} = 3\frac{5}{6}$$

$$4\frac{4}{8} - 2\frac{1}{4} = 2\frac{1}{4}$$

$$\frac{1}{3} = \frac{3}{9}$$

Entrance

$$7 \times \frac{2}{6} = \frac{7}{3}$$
$$= 2\frac{1}{3}$$

$$8 \div \frac{1}{3} = 24$$

$$3\frac{3}{6} \times \frac{4}{9} = \frac{14}{9} = 1\frac{5}{9}$$

Exit

(b) Complete.

The dimensions of the solid are:

.......**5**.......... unit length

.......**4**.......... unit length

.......**2**.......... unit length

Its volume = ...**40**............ cubic units
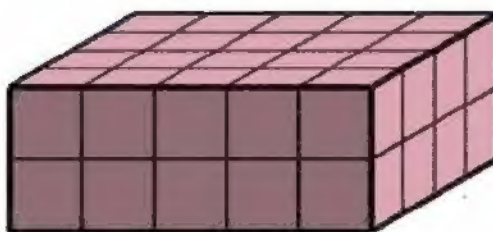
(a) The cards A, B and C represents the results of the problems below.

Solve the problems from (1) to (6), then write the number of each problem to its suitable letter.

A	B	C
$2\frac{1}{10}$	$2\frac{3}{16}$	$\frac{1}{25}$

(1)
$$3\frac{1}{2} - 1\frac{2}{5} = 2\frac{1}{10}$$

(2)
$$\frac{1}{5} \times \frac{1}{5} = \frac{1}{25}$$

(3)
$$2\frac{1}{8} + \frac{1}{16} = 2\frac{3}{16}$$

(4)
$$5\frac{2}{8} - 3\frac{1}{16} = 2\frac{3}{16}$$

(5)
$$1 + 1\frac{1}{10} = 2\frac{1}{10}$$

(6)
$$\frac{1}{5} \div 5 = \frac{1}{25}$$

1	5	A

3	4	B

2	6	C

(b) Complete.

The dimensions of the solid are:

........**3**............ unit length

........**5**............ unit length
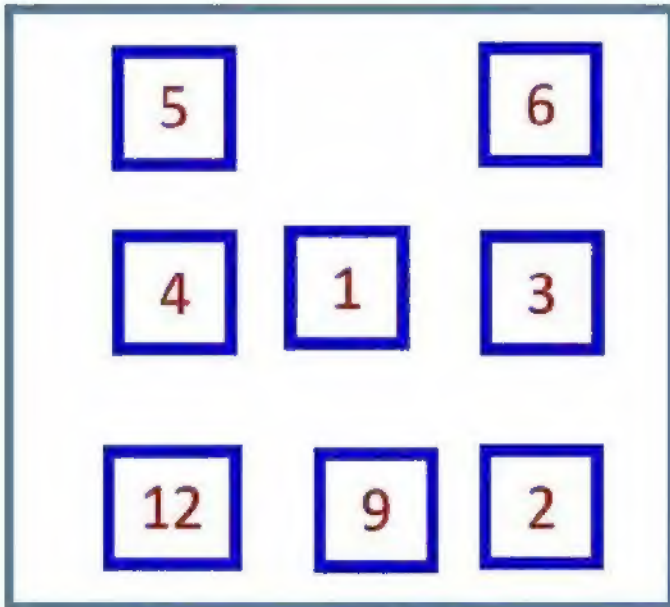
........**4**............ unit length
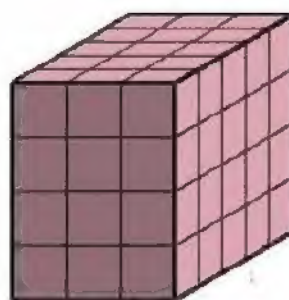
Its volume = ...**60**............ cubic units

Task (3)

(a) Choose the correct card to get the correct answer.
(Use each card only one time)

5		6
4	1	3
12	9	2

(1) $2\dfrac{1}{4} + 1\dfrac{2}{4} = 3\dfrac{3}{4}$

(2) $3\dfrac{9}{12} - 1\dfrac{6}{12} = 2\dfrac{3}{12}$

(3) $\dfrac{2}{3} \times \dfrac{3}{5} = \dfrac{6}{15}$

(4) $\dfrac{1}{4} \div 3 = \dfrac{1}{12}$

(b) In the opposite coordinate plane represent the following ordered pairs
A(1,3) , B(1,6) , C(6,6) , D(6,3)

[1] Join the points A, B, C, D in order to close the figure by using ruler.

[2] What is the name of ABCD?
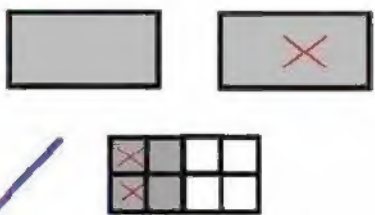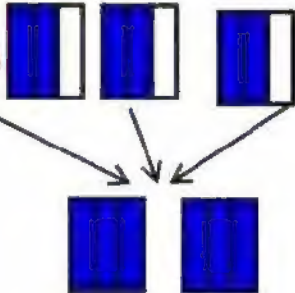......**Rectangle**......................

[3] What is the area of ABCD?
...... **15 area units** ....
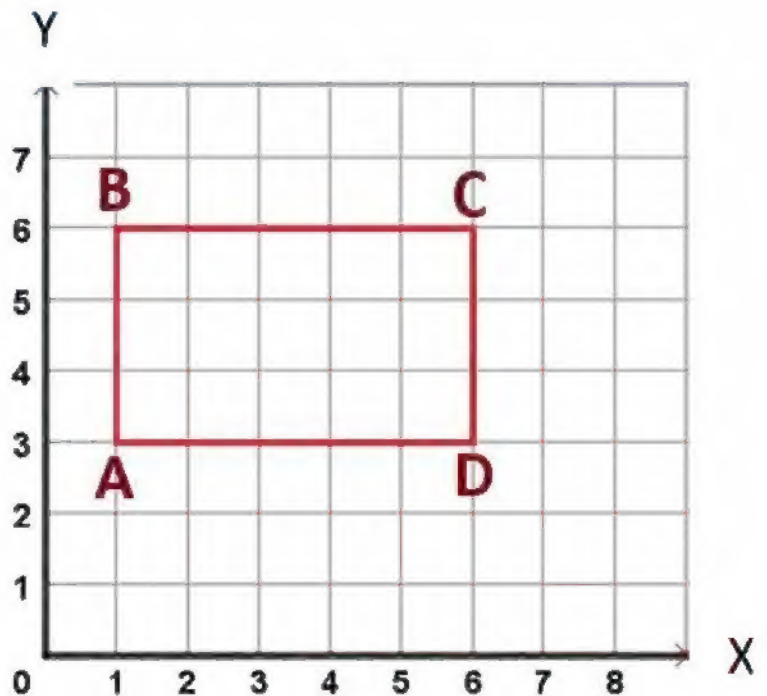
Task (4)

(a) Solve the two problems in column (B), and then match each result with its corresponding in columns (A) and (C).

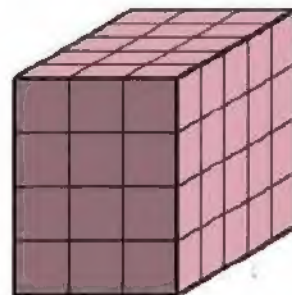| C	B	A
$1\frac{1}{4}$	$3 \times \frac{2}{3} = 2$	
2	$3\frac{1}{2} + 2\frac{1}{3} = 5\frac{5}{6}$	
$5\frac{5}{6}$	$2\frac{1}{2} - 1\frac{1}{4} = 1\frac{1}{4}$	

(b) Complete.

The dimensions of the solid are:

.........**3**.......... unit length

.........**5**.......... unit length

.........**4**.......... unit length
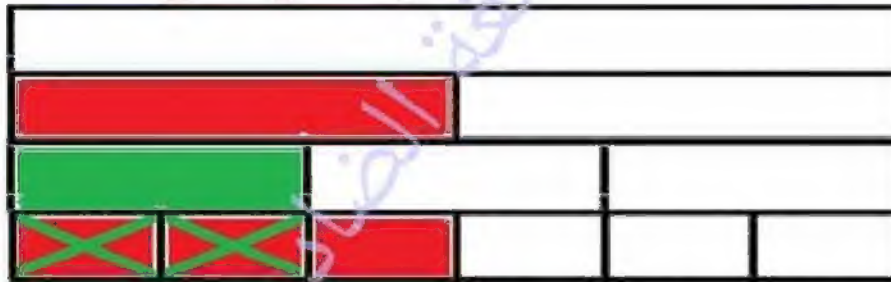
Its volume = ...**60**.......... cubic units

(a) Use the fraction wall to represent the addition problem and find its result.

(1) $\frac{1}{3} + \frac{1}{9} = \frac{4}{9}$
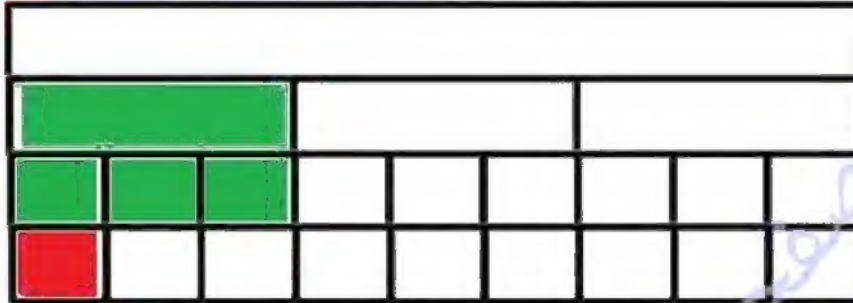
Use the fraction wall to represent the subtraction problem and find its result.

(2) $\frac{1}{2} - \frac{1}{3} = \frac{1}{6}$

(b) In the opposite coordinate plane represent the following ordered pairs
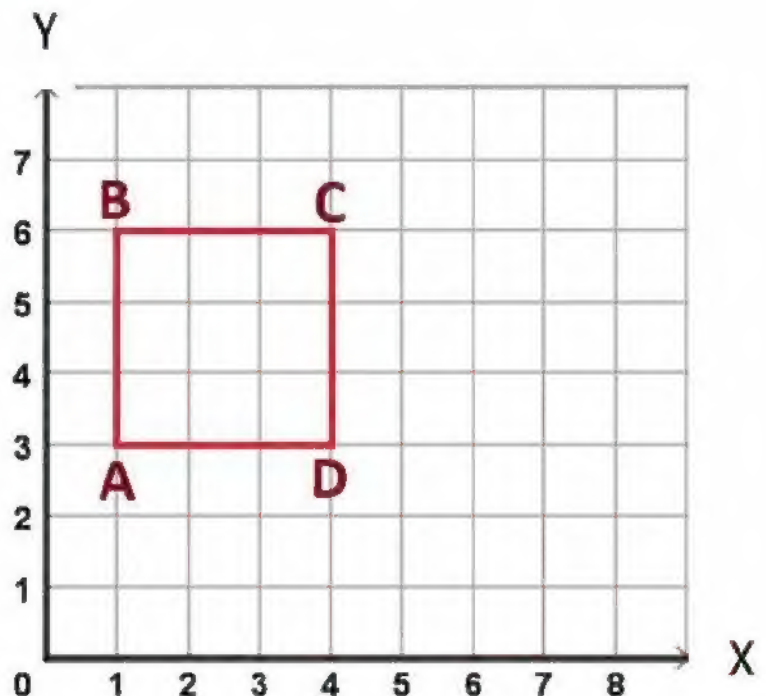A(1,3) , B(1,6) , C(4,6) , D(4,3)

[1] Join the points A, B, C, D in order to close the figure by using ruler.

[2] What is the name of ABCD?
...... Square ....

[3] What is the area of ABCD?
.... 9 units area ....

Task (6)

(a) You went with your father to the market, and you bought the following supplies:

Purchases	Meat	Apples	Potatoes	Carrots
Mass (kg)	$2\frac{1}{2}$	$2\frac{1}{4}$	$\frac{3}{8}$	3

Answer the following:

[1] Find the sum of the masses of the meat and potatoes.

$$2\frac{1}{2} + \frac{3}{8} = 2\frac{4}{8} + \frac{3}{8} = 2\frac{7}{8} \text{ kg}$$

[2] Find the difference between the masses of carrots and potatoes.

$$3 - \frac{3}{8} = 2\frac{8}{8} - \frac{3}{8} = 2\frac{5}{8} \text{ kg}$$

[3] What is the total price of the apple if the price of one kilogram is LE 36?

$$36 \times 2\frac{1}{4} = (36 \times 2) + (36 \times \frac{1}{4}) = 72 + 9 = 81 \text{ LE}$$

[b] Ahmed used 36 cubes of small soaps its edge length is 1 cm to form a cuboid, he made only the first layer of it. How many layers does he need to complete the cuboid by using all the cubes? Then find its volume.

Number of needed layers = ...3...........	
The volume = ...4 x 9 = 36.... cm³	